

Editorial. The overshadowed story (cover 2)

- 99 • Training the nation's health manpower—the next 4 years □ *Daniel F. Whiteside*
- 108 A report on the national AHEC program □ *Daniel I. Zwick, Robert Walkington, Daniel R. Smith, and George Stiles*
- 121 Consumer problems with prepaid health plans in California. Implications for serving Medicaid recipients through health maintenance organizations. □ *Carol N. D'Onofrio and Patricia Dolan Mullen*
- 135 Implementing the model Medicaid Management Information System □ *John C. Anderson and Paul Farseth*
- 147 Effect of task reassignment on physician productivity in a hospital clinic □ *Jerome Joffe and Ted Schmitt*
- 150 Chief complaints in a free walk-in clinic. A study of 3,009 consecutive patient visits □ *Peter McL. Black*
- 154 Development of an adolescent maternity project in Rochester, New York □ *Elizabeth R. McAnarney and Barbara N. Adams*
- 160 Characteristics and referrals of patients in a comprehensive eye care clinic □ *Mordachai Soroka*
- 167 A program for correction of ear perforations in Navajo Indian children □ *Thomas Welty, Rodney Hawk, and Kenneth Rogers*
- 171 Use of queueing theory for problem solution in Dallas, Tex., Bureau of Vital Statistics □ *Billy J. Moore*

Continued

U.S. DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE
Joseph A. Califano, Jr., *Secretary*

PUBLIC HEALTH SERVICE

HEALTH RESOURCES
ADMINISTRATION

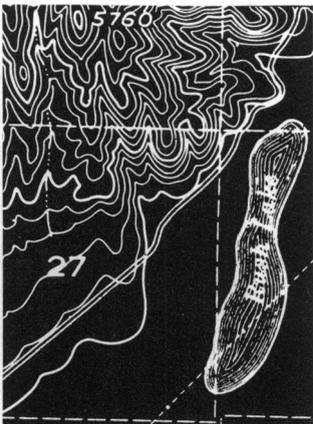
PUBLIC HEALTH REPORTS
Marian Priest Tebben, *Editor*
Esther C. Gould, *Assistant Executive Editor*
Virginia M. Larson, *Managing Editor*
Don Meeker, *Art Director*

Opinions expressed are the authors' and do not necessarily reflect the views of Public Health Reports or the Health Resources Administration. Trade names are used for identification only and do not represent an endorsement by the Health Resources Administration.

Address correspondence to:

Editor, Public Health Reports
Room 9-53, Parklawn Bldg.
5600 Fishers Lane
Rockville, Md. 20857
Telephone:
Area code 301-443-2525

IN THIS ISSUE ▽ 167 ▽ 176



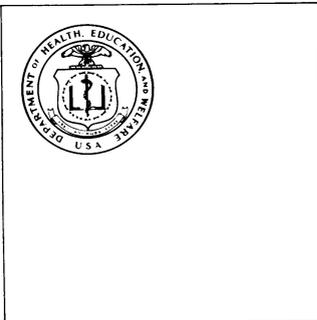
- 176 Epidemiologic and laboratory investigations of bovine anthrax in two Utah counties in 1975 □ *H. B. Rees, Jr., M. A. Smith, J. C. Spendlove, R. S. Fraser, T. Fukushima, A. G. Barbour, Jr., and F. J. Schoenfeld*

PROGRAMS, PRACTICE, PEOPLE

- 187 Waterbeds help reduce cessations of breathing in premature infants
- 188 Dialysis is cheaper at home
- 188 The rural health issue of *Public Health Reports*
- 188 NIH issues some documents related to DNA guidelines
- 188 International conference on drug reimbursement in national health plans
- 189 Joint U.S.-U.S.S.R. study of penicillamine treatment for arthritis
- 189 Regulations for providing mental health services in disasters
- 189 New manual gives guidelines for plague control
- 190 NCI publications for physicians and the public on DES
- 190 Educational materials available for community planning
- 190 National symposium focuses on future of American hospital
- 191 Regional centers operating to aid planning agencies
- 191 Cancer curriculum prepared for use in public schools in New York State
- 192 Worldwide computer system to convey diagnostic data on birth defects rapidly
- 192 National Rape Prevention Center awards contracts
- 193 DHEW report on Medicare reimbursement for services provided by optometrists
- 193 1976 HMO amendments will aid growth of prepaid care
- 194 DHEW regulations for State certificate of need programs
- 194 Abstracts of evaluations of HSA programs published
- 195 Study of federally employed physicians and dentists
- 195 Education notes
- 196 Publications
- PHR bookshelf offer (cover 3)

Subscription Information

To subscribe to *Public Health Reports*, send check or money order—\$2.05 per single issue, \$12.50 per year (6 issues), \$15.25 for foreign mailing to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. All correspondence about paid subscriptions (for example, re change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.



U.S. DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE
Public Health Service
Health Resources Administration

development agencies will need to consult the regulations to develop acceptable review procedures and criteria for required reviews of new institutional health services.

The National Health Planning and Resource Development Act is administered by the Bureau of Health Planning and Resources Development in Health Resources Administration.

education notes

Study of Federally Employed Physicians and Dentists

■ The Office of Management and Budget, (OMB) recently issued a congressionally mandated study entitled "Recruitment and Retention of Federally Employed Physicians and Dentists." The Federal Government employs approximately 6 percent of the physicians and 6 percent of the dentists in the United States. According to the study, all but a small fraction of these professionals are employed in three agencies—The Veterans Administration (VA), the Department of Defense (DOD), and the Department of Health, Education, and Welfare (HEW). Also, all but a very small fraction of these professionals are employed under compensation systems that provide them bonuses or special pay not received by other professionals.

The OMB researchers found that dental staffing was not a problem. Vacancy rates for both Federal civilian and military dentists are extremely low, and dentists are available to both civilian and military agencies in excess of their needs. Because a fundamental concept underlying all bonuses is that they are to be provided to the extent they are needed to recruit and retain necessary personnel, the study findings suggest that dental bonuses should be reduced or eliminated.

The DOD now has approximately the number of physicians it seeks, the OMB researchers noted. However, a projection model based upon detailed analysis of loss rates on forecasts of new physicians from each accession source indicates that a small decline in the DOD physicians workforce may occur over the next few years. In the 1980s, however, the model indicates that the number of physicians available should substantially exceed the numbers currently employed, in large part due to a new program that provides medical scholarship support in exchange for service in the military. Given the expected tight staffing situation in the next few

years, the study proposes for consideration a 3-year extension of legislation providing bonuses for military physicians, after which time the need for a bonus should be reassessed.

Finally, the study disclosed that problems in civilian physician staffing are confined to limited, specific situations, most often involving service in remote locations or the need for special skills. The researchers also noted that over time the basic physician compensation system of the VA has proved fundamentally sound. The study, therefore, suggests the development of a unified compensation system for civilian physicians, modeled on the VA system and including a system of selective bonuses to help solve the limited problems agencies face in filling certain jobs. Use of this unified compensation structure would end the current situation under which Federal civilian physicians may do similar work—or even work side by side—but be paid different amounts because they are employed under different civilian systems. It would result in the phasing out of DHEW's Commissioned Corps.

The study gives data on numbers of physicians and dentists employed by the Federal Government (by agency and by compensation system); on vacancy rates, loss rates, and hiring rates; on foreign medical graduates; and on incomes of physicians and dentists both in the private sector and in Federal employ.

To obtain copies of "Recruitment and Retention of Federally Employed Physicians and Dentists," see PHR Bookshelf offer on the inside back cover.

Graduate Summer Session of Statistics in the Health Sciences. The 19th Annual Graduate Summer Session of Statistics in the Health Sciences will be held at the Harvard School of Public Health in Boston, June 26–August 5, 1977.

The courses offered will include elementary and intermediate biostatistics, demography, survey sampling, multivariate analysis, statistical epidemiology, analysis of categorical data, health care evaluation, stochastic processes, research design in medicine, and analysis of survival data.

Further information is available from Peggy Morrison, Coordinator, Summer Session of Statistics, Department of Biostatistics, 677 Huntington Ave., Boston, Mass. 02215.

Graduate Summer Session in Epidemiology at University of Minnesota. The Twelfth Graduate Summer Session in Epidemiology, sponsored by the Epidemiology Section of the American Public Health Association, will be held at the University of Minnesota in Minneapolis from June 19 to July 9, 1977.

The session is designed primarily for medical school teachers, but postdoctoral fellows, graduate students, and residents in departments of preventive medicine and other medical school departments may qualify. Similarly, teachers, postdoctoral fellows, and graduate students in schools of public health, dentistry, and veterinary medicine are eligible, as well as qualified personnel of Federal, State, and local health agencies.

In addition to two basic courses and several that have been offered previously, three new courses will be offered: the development of and perspectives in epidemiology, hospital epidemiology and infection control, and the epidemiology of diseases due to drugs and other therapies.

Tuition for the 3-week session will be approximately \$350 to \$400. A \$25 deposit, credited to tuition, should accompany applications.

Further information is available from Dr. Leonard M. Schuman, Director, Graduate Summer Session in Epidemiology, University of Minnesota School of Public Health, A1-117 Unit A Health Sciences Building, 515 Delaware St., SE, Minneapolis, Minn. 55455.

publications

FEDERAL

Symposium on Biological Effects and Measurement of Light Sources. Proceedings of a conference held in Rockville, Maryland, March 25-26, 1976. Edited by DeWitt G. Hazzard, Ph.D. *HEW Publication (FDA) 77-8002*. October 1976; 256 pages.

First Image Receptor Conference: Film/Screen Combinations. Proceedings of a conference held in Arlington, Virginia, November 13-15, 1975. Presented by the Bureau of Radiological Health in cooperation with the American College of Radiology. *HEW Publication (FDA) 77-8003*. October 1976; 176 pages.

Report of State and Local Radiological Health Programs. By Lois A. Miller. *HEW Publication (FDA) 77-8005*. July 1976; 62 pages.

1976 Directory of On-Going Research in Smoking and Health. Compiled by Herener and Company. *HEW Publication No. (CDC) 76-8320*. 1976; 397 pages.

Detection and Prevention of Learning Disorders. By Herbert Yahraes and Sherry Prestwich. *DHEW Publication No. (ADM) 76-337*. 1976; 31 pages; 70 cents (minimum charge of \$1 for each mail order). (Stock No. 017-024-00524-0.)

Available Information Materials, Total Listing, 1966-1976, Solid Waste Manage-

ment. Compiled and indexed by Julie L. Larsen. *SW-58.26*. September 1976; 103 pages.

How Lawyers Handle Medical Malpractice Cases: An Analysis of an Important Medicolegal Study. *NCHSR Research Report Series*. By William J. Curran, JD, LL.M., SMHyg. *DHEW Publication No. (HRA) 76-3152*. 1976; 46 pages.

Analysis of the Southern California Arbitration Project, January 1966 Through June 1975. *NCHSR Research Report Series*. Prepared by Duane H. Heintz, MHA, and prepared for American Arbitration Association and National Center for Health Services Research. *DHEW Publication No. (HRA) 76-3159*. November 1975; 38 pages.

Hospital Discharges and Length of Stay: Short-Stay Hospitals, United States, 1972. *DHEW Publication No. (HRA) 77-1534, Series 10, No. 107*. September 1976; 66 pages; \$1.35.

Skin Conditions of Youths 12-17 Years, United States. *DHEW Publication No. (HRA) 76-1639, Series 11, No. 157*. August 1976; 66 pages; \$1.30.

Utilization of Short-Stay Hospitals. Summary of Nonmedical Statistics, United States, 1973. *DHEW Publication No. (HRA) 76-1774, Series 13, No. 23*. July 1976; 43 pages; \$1.25.

The preceding Federal publications are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should fully identify the publication. (Publications without prices may be obtained from the agency.)

WORLD HEALTH ORGANIZATION

Surveillance of Drinking-Water Quality. *WHO Monograph Series No. 63*. 1976; 136 pages; \$11.60; Geneva.

WHO Handbook of Standardized Cancer Registries. *WHO Offset Publication No. 25*. 1976; 94 pages; \$4; Geneva.

Hypertension and Stroke Control in the Community. Proceedings of a WHO meeting held in Tokyo, March 11-13, 1974. Edited by S. Hatano, I. Shigematsu, and T. Strasser. 1976; 362 pages; \$12; Geneva.

International Histological Classification of Tumours of Domestic Animals. Part 2. *Bulletin of the World Health Organization*. Vol. 53, No. 2-3, pages 137-304, 1976; Geneva.

WHO publications may be obtained from Q Corp., 49 Sheridan St., Albany, N.Y. 12210.

SUBSCRIPTION ORDER FORM

PLEASE PRINT OR TYPE

PUBLIC HEALTH *réports*

@ \$10.35 for mailing within the United States and its possessions. For mailing to all other countries, add \$2.60 for foreign handling.

NAME—FIRST, LAST		
COMPANY NAME OR ADDITIONAL ADDRESS LINE		
STREET ADDRESS		
CITY	STATE	ZIP CODE

Remittance Enclosed (Make checks payable to Superintendent of Documents)

Charge to my Deposit Account No.

MAIL ORDER FORM TO:
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402